

Date: April 11, 2015
To: Raj Singhvi, EPA/ERT Work Assignment Manager
From: Deborah Killeen, SERAS QA/QC Officer
Subject: Preliminary Results for St. John Methyl Bromide Response, WA# SERAS-270

Attached please find the preliminary results of the above referenced project for the following samples:

Chain(s) of Custody No.: No: 2-040615-130309-0001, 2-040615-131356-0002, 2-040615-131418-0003, 2-040615-131439-0004 & 2-040615-131510-0005
Analyses: VOC + TICs
No. of Samples: 10 Samples
Matrix: Air
Comments:

cc Central File: WA #SERAS-270
Task Leader: A. Dubois
Analyst: G. Ball



Table 1.1a Result of the Analysis for VOC (ppbv) in Air
 WA# SERAS-270, St. John Methyl Bromide Response

Method: SERAS SOP#1814

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SERAS Sample Number	N/A	R504004-02	R504004-01	R504004-07				
Sample Number	PS Methodblank 040915-04	TB-150405	P001-AA-U-150405-09	P001-IA-U-140405-05				
Sample Location	N/A	N/A	N/A	Upper				
Analyte	Results ppbv	RL ppbv	Results ppbv	RL ppbv	Results ppbv	RL ppbv	Results ppbv	RL ppbv
Propylene	U	0.200	U	0.200	1.23	0.200	4.51	1.00
Dichlorodifluoromethane	U	0.0200	U	0.0200	0.204	0.0200	0.452	0.100
Chloromethane	U	0.0200	U	0.0200	0.604	0.0200	4.61	0.100
Dichlorotetrafluoroethane	U	0.0200	U	0.0200	U	0.0200	U	0.100
Vinyl Chloride	U	0.0200	U	0.0200	U	0.0200	U	0.100
1,3-Butadiene	U	0.0200	U	0.0200	U	0.0200	U	0.100
Bromomethane	U	0.0200	U	0.0200	U	0.0200	23.5	0.100
Chloroethane	U	0.0200	U	0.0200	U	0.0200	U	0.100
Acetone	U	0.500	U	0.500	7.35	0.500	55.9	2.50
Trichlorofluoromethane	U	0.0200	U	0.0200	0.169	0.0200	0.213	0.100
Isopropyl Alcohol	U	0.500	U	0.500	0.623	0.500	U	2.50
1,1-Dichloroethene	U	0.0200	U	0.0200	U	0.0200	U	0.100
Methylene Chloride	U	0.0200	U	0.0200	0.0508	0.0200	0.112	0.100
Trichlorotrifluoroethane	U	0.0200	U	0.0200	0.0558	0.0200	U	0.100
trans-1,2-Dichloroethene	U	0.0200	U	0.0200	U	0.0200	U	0.100
1,1-Dichloroethane	U	0.0200	U	0.0200	U	0.0200	U	0.100
MTBE	U	0.0200	U	0.0200	U	0.0200	U	0.100
Vinyl Acetate	U	0.0200	U	0.0200	U	0.0200	U	0.100
2-Butanone	U	0.0200	U	0.0200	0.151	0.0200	3.14	0.100
cis-1,2-Dichloroethene	U	0.0200	U	0.0200	U	0.0200	U	0.100
Ethyl Acetate	U	0.0200	U	0.0200	U	0.0200	1.71	0.100
Hexane	U	0.0200	U	0.0200	13.1	0.0200	0.615	0.100
Chloroform	U	0.0200	U	0.0200	U	0.0200	0.108	0.100
Tetrahydrofuran	U	0.0200	U	0.0200	U	0.0200	1.40	0.100
1,2-Dichloroethane	U	0.0200	U	0.0200	0.0273	0.0200	12.8	0.100
1,1,1-Trichloroethane	U	0.0200	U	0.0200	U	0.0200	U	0.100
Benzene	U	0.0200	U	0.0200	0.473	0.0200	0.115	0.100
Carbon Tetrachloride	U	0.0200	U	0.0200	0.0534	0.0200	U	0.100
Cyclohexane	U	0.0200	U	0.0200	0.144	0.0200	U	0.100
1,2-Dichloropropane	U	0.0200	U	0.0200	U	0.0200	U	0.100
1,4-Dioxane	U	0.0200	U	0.0200	U	0.0200	U	0.100
Trichloroethene	U	0.0200	U	0.0200	U	0.0200	U	0.100
Heptane	U	0.0200	U	0.0200	0.192	0.0200	0.216	0.100
cis-1,3-Dichloropropene	U	0.0200	U	0.0200	U	0.0200	U	0.100
Methyl Isobutyl Ketone	U	0.0200	U	0.0200	0.0258	0.0200	0.201	0.100
trans-1,3-Dichloropropene	U	0.0200	U	0.0200	U	0.0200	U	0.100
1,1,2-Trichloroethane	U	0.0200	U	0.0200	U	0.0200	U	0.100
Toluene	U	0.0200	U	0.0200	1.53	0.0200	1.40	0.100
2-Hexanone	U	0.0200	U	0.0200	U	0.0200	0.123	0.100
Dibromochloromethane	U	0.0200	U	0.0200	U	0.0200	U	0.100
1,2-Dibromoethane	U	0.0200	U	0.0200	U	0.0200	U	0.100
Tetrachloroethene	U	0.0200	U	0.0200	U	0.0200	U	0.100
Chlorobenzene	U	0.0200	U	0.0200	U	0.0200	U	0.100
Ethylbenzene	U	0.0200	U	0.0200	0.277	0.0200	0.996	0.100
m&p-Xylene	U	0.0200	U	0.0200	0.901	0.0200	1.10	0.100
Bromoform	U	0.0200	U	0.0200	U	0.0200	U	0.100
Styrene	U	0.0200	U	0.0200	0.0450	0.0200	3.77	0.100
1,1,2,2-Tetrachloroethane	U	0.0200	U	0.0200	U	0.0200	U	0.100
o-Xylene	U	0.0200	U	0.0200	0.337	0.0200	0.518	0.100
p-Ethyltoluene	U	0.0200	U	0.0200	0.0749	0.0200	U	0.100
1,3,5-Trimethylbenzene	U	0.0200	U	0.0200	0.0814	0.0200	U	0.100
1,2,4-Trimethylbenzene	U	0.0200	U	0.0200	0.274	0.0200	0.166	0.100
1,3-Dichlorobenzene	U	0.0200	U	0.0200	U	0.0200	U	0.100
1,4-Dichlorobenzene	U	0.0200	U	0.0200	U	0.0200	U	0.100
1,2-Dichlorobenzene	U	0.0200	U	0.0200	U	0.0200	U	0.100
Naphthalene	U	0.0200	U	0.0200	0.0524	0.0200	0.165	0.100

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Table 1.1a(cont.) Result of the Analysis for VOC (ppbv) in Air
 WA# SERAS-270, St. John Methyl Bromide Response

Method: SERAS SOP#1814

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SERAS Sample Number Sample Number Sample Location	R504004-08 P001-IA-U-140405-06 Upper		R504004-09 P001-IA-U-140405-07 Upper		R504004-10 P001-IA-U-140405-08 Upper		R504004-03 P001-IA-L-140405-01 Lower	
	Results ppbv	RL ppbv	Results ppbv	RL ppbv	Results ppbv	RL ppbv	Results ppbv	RL ppbv
Propylene	4.55	1.00	6.14	1.00	4.89	1.00	1.48	1.00
Dichlorodifluoromethane	0.442	0.100	0.447	0.100	0.421	0.100	0.403	0.100
Chloromethane	4.34	0.100	4.31	0.100	4.21	0.100	8.49	0.100
Dichlorotetrafluoroethane	U	0.100	U	0.100	U	0.100	U	0.100
Vinyl Chloride	U	0.100	U	0.100	U	0.100	U	0.100
1,3-Butadiene	U	0.100	U	0.100	U	0.100	U	0.100
Bromomethane	22.5	0.100	22.6	0.100	21.8	0.100	85.1	0.100
Chloroethane	U	0.100	U	0.100	U	0.100	U	0.100
Acetone	64.7	2.50	58.7	2.50	58.6	2.50	92.4	2.50
Trichlorofluoromethane	0.200	0.100	0.210	0.100	0.194	0.100	0.198	0.100
Isopropyl Alcohol	U	2.50	U	2.50	U	2.50	7.91	2.50
1,1-Dichloroethene	U	0.100	U	0.100	U	0.100	U	0.100
Methylene Chloride	0.120	0.100	0.122	0.100	U	0.100	U	0.100
Trichlorotrifluoroethane	U	0.100	U	0.100	U	0.100	U	0.100
trans-1,2-Dichloroethene	U	0.100	U	0.100	U	0.100	U	0.100
1,1-Dichloroethane	U	0.100	U	0.100	U	0.100	U	0.100
MTBE	U	0.100	U	0.100	U	0.100	U	0.100
Vinyl Acetate	U	0.100	U	0.100	U	0.100	U	0.100
2-Butanone	2.99	0.100	2.95	0.100	3.23	0.100	3.12	0.100
cis-1,2-Dichloroethene	U	0.100	U	0.100	U	0.100	U	0.100
Ethyl Acetate	1.67	0.100	1.75	0.100	1.76	0.100	0.838	0.100
Hexane	0.715	0.100	1.09	0.100	0.762	0.100	0.802	0.100
Chloroform	0.106	0.100	0.108	0.100	0.109	0.100	0.106	0.100
Tetrahydrofuran	1.36	0.100	1.32	0.100	1.76	0.100	2.31	0.100
1,2-Dichloroethane	10.7	0.100	12.3	0.100	11.0	0.100	1.12	0.100
1,1,1-Trichloroethane	U	0.100	U	0.100	U	0.100	U	0.100
Benzene	0.149	0.100	0.102	0.100	0.111	0.100	U	0.100
Carbon Tetrachloride	U	0.100	U	0.100	U	0.100	U	0.100
Cyclohexane	U	0.100	U	0.100	U	0.100	U	0.100
1,2-Dichloropropane	U	0.100	U	0.100	U	0.100	U	0.100
1,4-Dioxane	U	0.100	U	0.100	U	0.100	U	0.100
Trichloroethene	U	0.100	U	0.100	U	0.100	U	0.100
Heptane	0.200	0.100	0.222	0.100	0.211	0.100	0.177	0.100
cis-1,3-Dichloropropene	U	0.100	U	0.100	U	0.100	U	0.100
Methyl Isobutyl Ketone	0.179	0.100	0.149	0.100	0.270	0.100	0.169	0.100
trans-1,3-Dichloropropene	U	0.100	U	0.100	U	0.100	U	0.100
1,1,2-Trichloroethane	U	0.100	U	0.100	U	0.100	U	0.100
Toluene	1.41	0.100	1.39	0.100	1.36	0.100	1.17	0.100
2-Hexanone	0.129	0.100	0.111	0.100	0.112	0.100	U	0.100
Dibromochloromethane	U	0.100	U	0.100	U	0.100	U	0.100
1,2-Dibromoethane	U	0.100	U	0.100	U	0.100	U	0.100
Tetrachloroethene	U	0.100	U	0.100	U	0.100	U	0.100
Chlorobenzene	U	0.100	U	0.100	U	0.100	U	0.100
Ethylbenzene	0.949	0.100	0.965	0.100	0.928	0.100	0.506	0.100
m&p-Xylene	1.03	0.100	0.992	0.100	1.01	0.100	1.05	0.100
Bromoform	U	0.100	U	0.100	U	0.100	U	0.100
Styrene	3.71	0.100	4.20	0.100	3.79	0.100	1.20	0.100
1,1,1,2-Tetrachloroethane	U	0.100	U	0.100	U	0.100	U	0.100
o-Xylene	0.482	0.100	0.465	0.100	0.475	0.100	0.620	0.100
p-Ethyltoluene	U	0.100	U	0.100	U	0.100	U	0.100
1,3,5-Trimethylbenzene	U	0.100	U	0.100	U	0.100	0.101	0.100
1,2,4-Trimethylbenzene	0.161	0.100	0.160	0.100	0.157	0.100	0.459	0.100
1,3-Dichlorobenzene	U	0.100	U	0.100	U	0.100	U	0.100
1,4-Dichlorobenzene	U	0.100	U	0.100	U	0.100	U	0.100
1,2-Dichlorobenzene	U	0.100	U	0.100	U	0.100	U	0.100
Naphthalene	0.155	0.100	0.126	0.100	0.131	0.100	0.298	0.100

Table 1.1a(cont.) Result of the Analysis for VOC (ppbv) in Air
 WA# SERAS-270, St. John Methyl Bromide Response

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SERAS Sample Number	R504004-04		R504004-05		N/A		R504004-06	
Sample Number	P001-IA-L-140405-02		P001-IA-L-140405-03		Methodblank 041015-01		P001-IA-L-140405-04	
Sample Location	Lower		Lower		N/A		Lower	
Analyte	Results	RL	Results	RL	Results	RL	Results	RL
	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Propylene	1.41	1.00	1.46	1.00	U	0.0200	1.60	1.00
Dichlorodifluoromethane	0.388	0.100	0.402	0.100	U	0.0200	0.506	0.100
Chloromethane	8.38	0.100	8.88	0.100	U	0.0200	10.1	0.100
Dichlorotetrafluoroethane	U	0.100	U	0.100	U	0.0200	U	0.100
Vinyl Chloride	U	0.100	U	0.100	U	0.0200	U	0.100
1,3-Butadiene	U	0.100	U	0.100	U	0.0200	U	0.100
Bromomethane	81.9	0.100	88.0	0.100	U	0.0200	104	0.100
Chloroethane	U	0.100	U	0.100	U	0.0200	U	0.100
Acetone	120	2.50	99.3	2.50	U	0.500	116	2.50
Trichlorofluoromethane	0.186	0.100	0.198	0.100	U	0.0200	0.234	0.100
Isopropyl Alcohol	6.76	2.50	10.2	2.50	U	0.500	29.8	2.50
1,1-Dichloroethene	U	0.100	U	0.100	U	0.0200	U	0.100
Methylene Chloride	U	0.100	U	0.100	U	0.0200	0.109	0.100
Trichlorotrifluoroethane	U	0.100	U	0.100	U	0.0200	U	0.100
trans-1,2-Dichloroethene	U	0.100	U	0.100	U	0.0200	U	0.100
1,1-Dichloroethane	U	0.100	U	0.100	U	0.0200	U	0.100
MTBE	U	0.100	U	0.100	U	0.0200	U	0.100
Vinyl Acetate	U	0.100	U	0.100	U	0.0200	1.00	0.100
2-Butanone	3.10	0.100	3.18	0.100	U	0.0200	3.66	0.100
cis-1,2-Dichloroethene	U	0.100	U	0.100	U	0.0200	U	0.100
Ethyl Acetate	0.809	0.100	0.832	0.100	U	0.0200	0.969	0.100
Hexane	0.746	0.100	0.782	0.100	U	0.0200	0.924	0.100
Chloroform	0.103	0.100	0.113	0.100	U	0.0200	0.131	0.100
Tetrahydrofuran	2.35	0.100	2.59	0.100	U	0.0200	3.08	0.100
1,2-Dichloroethane	1.06	0.100	1.12	0.100	U	0.0200	1.31	0.100
1,1,1-Trichloroethane	U	0.100	U	0.100	U	0.0200	U	0.100
Benzene	U	0.100	0.149	0.100	U	0.0200	U	0.100
Carbon Tetrachloride	U	0.100	U	0.100	U	0.0200	U	0.100
Cyclohexane	U	0.100	U	0.100	U	0.0200	U	0.100
1,2-Dichloropropane	U	0.100	U	0.100	U	0.0200	U	0.100
1,4-Dioxane	U	0.100	U	0.100	U	0.0200	U	0.100
Trichloroethene	U	0.100	U	0.100	U	0.0200	U	0.100
Heptane	0.171	0.100	0.166	0.100	U	0.0200	0.210	0.100
cis-1,3-Dichloropropene	U	0.100	U	0.100	U	0.0200	U	0.100
Methyl Isobutyl Ketone	0.182	0.100	0.217	0.100	U	0.0200	0.240	0.100
trans-1,3-Dichloropropene	U	0.100	U	0.100	U	0.0200	U	0.100
1,1,2-Trichloroethane	U	0.100	U	0.100	U	0.0200	U	0.100
Toluene	1.16	0.100	1.21	0.100	U	0.0200	1.33	0.100
2-Hexanone	0.108	0.100	0.130	0.100	U	0.0200	0.134	0.100
Dibromochloromethane	U	0.100	U	0.100	U	0.0200	U	0.100
1,2-Dibromoethane	U	0.100	U	0.100	U	0.0200	U	0.100
Tetrachloroethene	U	0.100	U	0.100	U	0.0200	U	0.100
Chlorobenzene	U	0.100	U	0.100	U	0.0200	U	0.100
Ethylbenzene	0.499	0.100	0.502	0.100	U	0.0200	0.580	0.100
m&p-Xylene	1.05	0.100	1.03	0.100	U	0.0200	1.20	0.100
Bromoform	U	0.100	U	0.100	U	0.0200	U	0.100
Styrene	1.24	0.100	1.29	0.100	U	0.0200	1.50	0.100
1,1,2,2-Tetrachloroethane	U	0.100	U	0.100	U	0.0200	U	0.100
o-Xylene	0.615	0.100	0.602	0.100	U	0.0200	0.710	0.100
p-Ethyltoluene	U	0.100	U	0.100	U	0.0200	0.113	0.100
1,3,5-Trimethylbenzene	0.105	0.100	U	0.100	U	0.0200	0.119	0.100
1,2,4-Trimethylbenzene	0.473	0.100	0.448	0.100	U	0.0200	0.531	0.100
1,3-Dichlorobenzene	U	0.100	U	0.100	U	0.0200	U	0.100
1,4-Dichlorobenzene	U	0.100	U	0.100	U	0.0200	U	0.100
1,2-Dichlorobenzene	U	0.100	U	0.100	U	0.0200	U	0.100
Naphthalene	0.318	0.100	0.325	0.100	U	0.0200	0.365	0.100

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Table 1.2 Results of TICs for VOC in Air
 WA# SERAS-270, St. John Methyl Bromide Response

<u>Sample Number:</u>	<u>Location</u>	<u>Analyte</u>	<u>RT</u>	<u>Concentration*</u> <u>(ppbv)</u>
PSMethodBlank 040914-04		No non-targets were found		
TB-150405	NA	Acetaldehyde	4.19	0.0638
		Nonanal	18.20	0.0904
P001-AA-U-150405-09	NA	Pentane, 2-methyl	7.42	0.0781
		Hexane, 2-methyl	9.49	0.208
		Pentane, dimethyl	9.57	0.159
		Hexane, methyl	9.72	0.278
		Alkane	10.10	0.392
		Octanal	16.40	0.126
		Nonanal	18.20	0.384
P001-IA-U-140405-05	Upper	Acetaldehyde	4.19	3.84
		C5 Diene	5.77	0.959
		Pentanal	9.72	1.18
		Hexanal	12.20	4.06
		Alpha Pinene	15.60	8.37
		C6 H10 Cyclohexene	16.50	1.66
		dl-Limonene	17.30	2.96
		Nonanal	18.20	2.44
P001-IA-U-140405-06	Upper	Acetaldehyde	4.19	3.81
		C5 Diene	5.77	1.93
		Pentanal	9.72	1.12
		Hexanal	12.20	4.04
		Alpha Pinene	15.60	8.49
		Octanal	16.40	1.11
		C6 H10 Cyclohexene	16.50	1.64
		dl-Limonene	17.30	2.97
		Nonanal	18.20	2.00
P001-IA-U-140405-07	Upper	Acetaldehyde	4.19	3.72
		Pentanal	9.72	1.06
		Hexanal	12.20	3.92
		Alpha Pinene	15.60	8.64
		Octanal	16.40	1.25
		C6 H10 Cyclohexene	16.50	1.64
		dl-Limonene	17.30	2.83
		Nonanal	18.20	2.29
P001-IA-U-140405-08	Upper	Acetaldehyde	4.18	3.51
		Ethanol	4.87	5.52
		Acetic acid, methyl ester	5.98	1.69
		Pentanal	9.72	1.07
		Hexanal	12.20	3.93
		Alpha Pinene	15.60	8.28
		C6 H10 Cyclohexene	16.50	1.60
		dl-Limonene	17.30	2.81
		Nonanal	18.20	2.27
		P001-IA-L-140405-01	Lower	Acetaldehyde
Ethanol	4.88			3.66
Pentane	5.68			1.03
Acetic acid, methyl ester	5.98			4.16
Hexanal	12.20			2.68
Alpha Pinene	15.60			3.13
dl-Limonene	17.3			1.15
Nonanal	18.20			2.66

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Table 1.2 Results of TICs for VOC in Air
 WA# SERAS-270, St. John Methyl Bromide Response

<u>Sample Number:</u>	<u>Location</u>	<u>Analyte</u>	<u>RT</u>	<u>Concentration*</u> <u>(ppbv)</u>
P001-IA-L-140405-02	Lower	Acetaldehyde	4.18	2.12
		Ethanol	4.88	4.16
		Acetic acid, methyl ester	5.98	4.37
		Hexanal	12.20	2.64
		Alpha Pinene	15.60	2.96
		C6 H10 Cyclohexene	16.50	1.41
		dl-Limonene	17.3	1.14
		Nonanal	18.20	2.45
P001-IA-L-140405-03	Lower	Acetaldehyde	4.18	2.30
		Ethanol	4.88	6.99
		Pentane	5.67	1.18
		C5 Diene	5.77	2.47
		Acetic acid, methyl ester	5.97	4.99
		Hexanal	12.20	2.62
		alpha Pinene	15.60	2.98
		dl-Limonene	17.3	1.18
		Nonanal	18.2	2.70
		Method Blank 041015-01	NA	No Non-Targets Detected
P001-IA-L-140405-04	Lower	Acetaldehyde	4.19	2.52
		Ethanol	4.87	20.0
		Pentane	5.67	1.23
		1-Butanol	9.08	2.53
		Hexanal	12.20	3.06
		alpha Pinene	15.60	3.45
		dl-Limonene	17.3	1.33
		Nonanal	18.2	3.08

REPORT OF LABORATORY ANALYSIS
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Date Shipped: 4/6/2015
 Carrier Name: FedEx
 Airbill No: 80676116 5619

WO# R504004

CHAIN OF CUSTODY RECORD

St. John Methyle Bromide ER
 Contact Name: Peter Lisichenko
 Contact Phone: 603-512-4350

No: 2-040615-130309-0001

Cooler #: 1
 Lab: ERT/SERAS
 Lab Phone: 732-321-4200

Lab #	Sample #	Location	Analyses	Matrix	Collected	Sample Time	Numb Cont	Container	Preservative	Canister	Lab QC
01	P001-AA-U-150405-09	NA	VOC + TICs	Air	4/5/2015	11:30	1	Summa Canister	None	122	N
02	TB-150405	NA	VOC + TICs	Air	4/5/2015	11:30	1	Summa Canister	None	213	N
<i>Peter Lisichenko</i>											

START
 PRESSURE
 -29

Special Instructions: VOC + Tics via SERAS SOP 1814	SAMPLES TRANSFERRED FROM CHAIN OF CUSTODY #
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Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
ALL SAMPLES ALL ANALYSES	<i>Peter Lisichenko</i> (WISSTON)	4/6/15	<i>Tommy Martin</i> /SERAS	4/7/15 10:50	Intact
All Analyses	<i>Tommy Martin</i> /SERAS	4/7/15 11:30	<i>A. H. V. ...</i> /SERAS	4/7/15 11:30	

USEPA

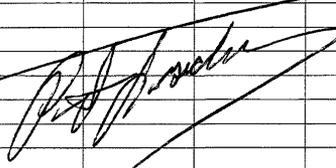
DateShipped: 4/6/2015
 CarrierName: FedEx
 AirbillNo: 8067 6116 5619
 WO# R504004

CHAIN OF CUSTODY RECORD

St. John Methylene Bromide ER
 Contact Name: Peter Lisichenko
 Contact Phone: 603-512-4350

No: 2-040615-131356-0002

Cooler #: 2
 Lab: ERT/SERAS
 Lab Phone: 732-321-4200

Lab #	Sample #	Location	Analyses	Matrix	Collected	Sample Time	Numb Cont	Container	Preservative	Canister	Lab QC
03	P001-IA-L-140405-01	Lower	VOC + TICs	Indoor Air	4/5/2015	10:30	1	Summa Canister	None	014256	N
04	P001-IA-L-140405-02	Lower	VOC + TICs	Indoor Air	4/5/2015	10:32	1	Summa Canister	None	14219	N
											

START PRESSURE
 -28.5
 -29

Special Instructions: VOC + Tics via SERAS SOP 1814	SAMPLES TRANSFERRED FROM CHAIN OF CUSTODY #
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Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
ALL SAMPLES ALL ANALYSIS	<i>Peter Lisichenko</i>	4/6/15	<i>Tommy Marone / SERAS</i>	4/7/15 10:50	Intact
All Analysis	<i>Tommy Marone / SERAS</i>	4/10/15 11:30	<i>A-LV / SERAS</i>	04/07/15 11:30	

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Date Shipped: 4/6/2015
 Carrier Name: FedEx
 Airbill No: 8067 6116 5619

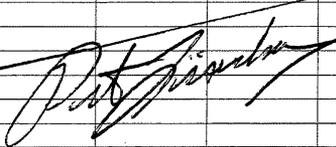
WO# R504004

CHAIN OF CUSTODY RECORD

St. John Methyle Bromide ER
 Contact Name: Peter Lisichenko
 Contact Phone: 603-512-4350

No: 2-040615-131418-0003

Cooler #: 3
 Lab: ERT/SERAS
 Lab Phone: 732-321-4200

Lab #	Sample #	Location	Analyses	Matrix	Collected	Sample Time	Numb Cont	Container	Preservative	Canister	Lab QC
05	P001-IA-L-140405-03	Lower	VOC + TICs	Indoor Air	4/5/2015	10:33	1	Summa Canister	None	13753	N
06	P001-IA-L-140405-04	Lower	VOC + TICs	Indoor Air	4/5/2015	10:35	1	Summa Canister	None	13745	N
											

START
 PRESSURE
 -29
 -29

Special Instructions: VOC + Tics via SERAS SOP 1814	SAMPLES TRANSFERRED FROM CHAIN OF CUSTODY #
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Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
ALL SAMPLES ALL ANALYSIS	<i>[Signature]</i> WESTON	4/6/15	<i>[Signature]</i> SERAS	4/7/15 10:50	Intact
All Analysis	<i>[Signature]</i> SERAS	4/7/15 11:30	<i>[Signature]</i> SERAS	4/7/15 11:30	

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Date Shipped: 4/6/2015
 Carrier Name: FedEx
 Airbill No: 8067 6116 5619

WO# R504004

CHAIN OF CUSTODY RECORD

St. John Methylene Bromide ER
 Contact Name: Peter Lisichenko
 Contact Phone: 603-512-4350

No: 2-040615-131439-0004

Cooler #: 4
 Lab: ERT/SERAS
 Lab Phone: 732-321-4200

Lab #	Sample #	Location	Analyses	Matrix	Collected	Sample Time	Numb Cont	Container	Preservative	Canister	Lab QC
07	P001-IA-U-140405-05	Upper	VOC + TICs	Indoor Air	4/5/2015	11:07	1	Summa Canister	None	008	N
08	P001-IA-U-140405-06	Upper	VOC + TICs	Indoor Air	4/5/2015	11:08	1	Summa Canister	None	156	N
<i>[Handwritten signature: Peter Lisichenko]</i>											

START PRESSURE
 -29
 -29

Special Instructions: VOC + Tics via SERAS SOP 1814	SAMPLES TRANSFERRED FROM CHAIN OF CUSTODY #
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Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
ALL SAMPLES ALL ANALYSES	<i>[Signature]</i> (WESTON)	4/6/15	<i>[Signature]</i> /SERAS	4/7/15 10:50	Intact
All Analysis's	<i>[Signature]</i> /SERAS	4/7/15 11:30	<i>[Signature]</i> /SERAS	4/8/15 11:30	

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DateShipped: 4/6/2015
 CarrierName: FedEx
 AirbillNo: 8067 6116 5619

WC# R504004

CHAIN OF CUSTODY RECORD

St. John Methylene Bromide ER
 Contact Name: Peter Lisichenko
 Contact Phone: 603-512-4350

No: 2-040615-131510-0005

Cooler #: 5
 Lab: ERT/SERAS
 Lab Phone: 732-321-4200

Lab #	Sample #	Location	Analyses	Matrix	Collected	Sample Time	Numb Cont	Container	Preservative	Canister	Lab QC
09	P001-IA-U-140405-07	Upper	VOC + TICs	Indoor Air	4/5/2015	11:10	1	Summa Canister	None	014234	N
10	P001-IA-U-140405-08	Upper	VOC + TICs	Indoor Air	4/5/2015	11:11	1	Summa Canister	None	014240	N
<i>[Handwritten Signature]</i>											

START PRESSURE
 - 29
 - 29

Special Instructions: VOC + Tics via SERAS SOP 1814	SAMPLES TRANSFERRED FROM
	CHAIN OF CUSTODY #

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
ALL SAMPLES ALL ANALYSES	<i>[Signature]</i> / WESTON	4/6/15	<i>[Signature]</i> / SERAS	4/7/15 10:50	Intact
All Analyses	<i>[Signature]</i> / SERAS	4/7/15 11:30	<i>[Signature]</i> / SERAS	4/7/15 11:30	